

II. CLAIM AMENDMENTS

1. (Currently Amended) An electronically controlled sealing tape dispenser, comprising:

~~(a)~~ a housing;

~~(b)~~ means disposed in said housing to select a first selected length of sealing tape to be dispensed;

~~(c)~~ means disposed in said housing to dispense a first dispensed tape length having said first selected length of sealing tape extending from one end to another opposite end of the first tape length; and

~~(d)~~ electronic means to control dispensing of said first selected length of sealing tape.

2. (Currently Amended) An electronically controlled sealing tape dispenser, as defined in Claim 1, further comprising:

~~(a)~~ an idler wheel fixedly mounted on an idler wheel shaft disposed in said housing, said idler wheel being disposed so as to rotate as said first selected length of sealing tape is dispensed; and

~~(b)~~ means mounted on said idler wheel shaft for determining that said first dispensed tape length has the first selected length ~~to measure rotation of said idler wheel shaft and to output a signal to said electronic means representative of rotation of said idler wheel shaft.~~

3. (Original) An electronically controlled sealing tape dispenser, as defined in Claim 2, wherein: said means mounted on said idler wheel comprises an optical encoder.

4. (Original) An electronically controlled sealing tape dispenser, as defined in Claim 1, further comprising:

- (a) means to add subtract an increment of sealing tape length to or from said first selected length of sealing tape; and
- (b) means to double or halve length of said first selected length of sealing tape; and wherein
- (c) said means to double or halve length of said first selected length of sealing tape also double or halves, respectively, said increment of sealing tape length.

5. (Currently Amended) An electronically controlled sealing tape dispenser, ~~as defined in Claim 1,~~ further comprising:

B1 a housing;

means disposed in said housing to select a first selected length of sealing tape to be dispensed;

means disposed in said housing to dispense said first selected length of sealing tape;

electronic means to control dispensing of said first selected length of sealing tape; and

means to automatically correct for errors in length of said first selected length of sealing tape.

6. (Original) An electronically controlled sealing tape dispenser, as defined in Claim 5, further comprising: electronic memory which includes therein correction lengths as a function of selected length of sealing tape.

7. (Currently Amended) An electronically controlled sealing tape dispenser, [[as defined in Claim 1, further]] comprising:

a housing;

means disposed in said housing to select a first selected length of sealing tape to be dispensed;

means disposed in said housing to dispense said first selected length of sealing tape;

electronic means to control dispensing of said first selected length of sealing tape; and

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means to automatically dispense from said sealing tape dispenser a second selected length of sealing tape after said first selected length of sealing tape is removed and in response to said first selected length of sealing tape is removed from said electronically controlled sealing tape dispenser, without any other action on the part of an operator of said electronically controlled sealing tape dispenser, wherein the second selected length of sealing tape is of a different length than the first selected length of sealing tape.

8. (Cancelled)

9. (Currently Amended) An electronically controlled sealing tape dispenser, [[as defined in Claim 8, further]] comprising:

a housing;

means disposed in said housing to select a first selected length of sealing tape to be dispensed;

means disposed in said housing to dispense said first selected length of sealing tape;

electronic means to control dispensing of said first selected length of sealing tape,

wherein: said electronic means includes first electronic controls disposed in said housing, and

remote second electronic controls operatively connected to said first electronic controls.

10. (Cancelled)

11. (Currently Amended) A method of electronically controlling a sealing tape dispenser, [[as defined in Claim 10, further]] comprising:

selecting a first selected length of sealing tape to be dispensed;

employing electronic means to control dispensing of length of sealing tape;

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[[a]] providing an idler wheel ~~fixedly mounted on an idler wheel shaft disposed in a housing of said sealing tape dispenser, said idler wheel being disposed~~ so as to rotate as said [[first selected]] length of sealing tape is dispensed; and

[[b) measuring rotation of]] determining with said idler wheel shaft and outputting a signal to said electronic means representative of rotations of said idler wheel shaft that the length of sealing tape dispensed has a tape length extending from one end to an opposite end of the length of sealing tape that is the first selected length.

12. (Currently Amended) A method of electronically controlling a sealing tape dispenser, as defined in Claim 11, further

comprising: using an optical encoder to measure rotation of said idler wheel [[shaft]].

13. (Cancelled)

14. (Currently Amended) A method of electronically controlling a sealing tape dispenser, as defined in Claim [[10]] 11, further comprising: automatically correcting for errors in length of said [[first selected]] length of sealing tape dispensed relative to the first selected length of tape.

15. (Original) A method of electronically controlling a sealing tape dispenser, as defined in Claim 14, further comprising: employing an electronic memory which includes therein correction lengths as a function of selected lengths of sealing tape.

16. (Currently Amended) A method of electronically controlling a sealing tape dispenser, as defined in Claim [[10]] 11, further comprising: automatically dispensing from said sealing tape dispenser [[a second selected]] another length of sealing tape after said [[first selected]] length of sealing tape is removed and in response to said [[first selected]] length of sealing tape being removed from said electronically controlled sealing tape dispenser, without any other action on the part of an operator of said electronically controlled sealing tape dispenser wherein the other length of sealing tape has a second selected length that is different than the first selected length.

17. (Currently Amended) A method of electronically controlling a sealing tape dispenser, as defined in Claim [[10]] 11, further

comprising: providing said electronic means including first electronic controls disposed in said housing.

18. (Currently Amended) A method of electronically controlling a sealing tape dispenser, as defined in Claim ~~[[10]]~~ 17, further comprising: providing remote second electronic controls operatively connected to said first electronic controls.